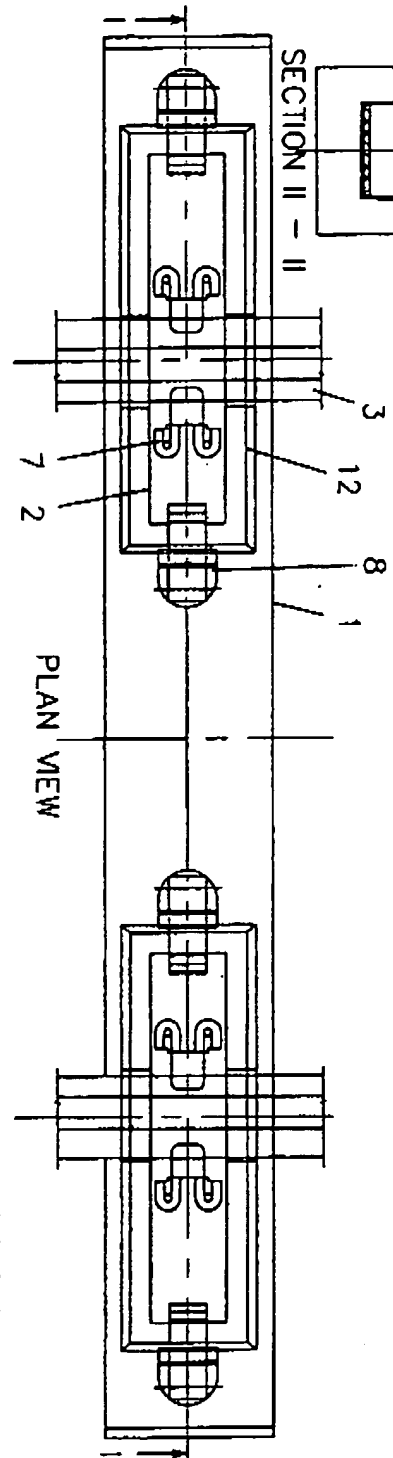
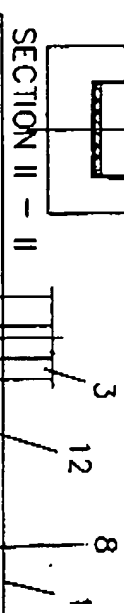
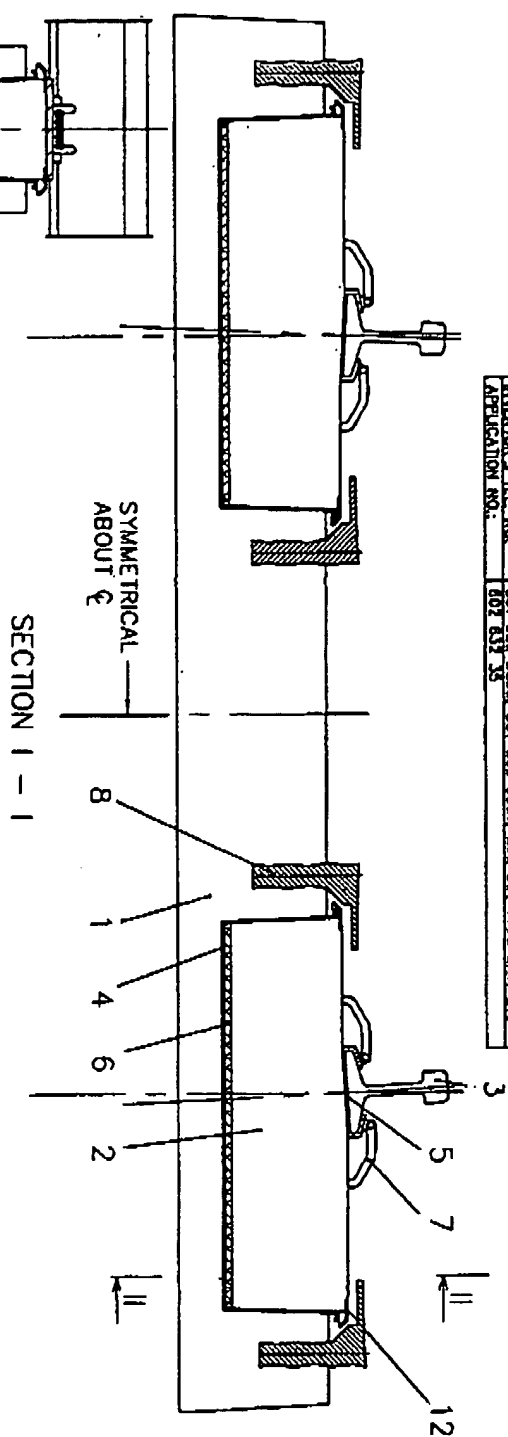


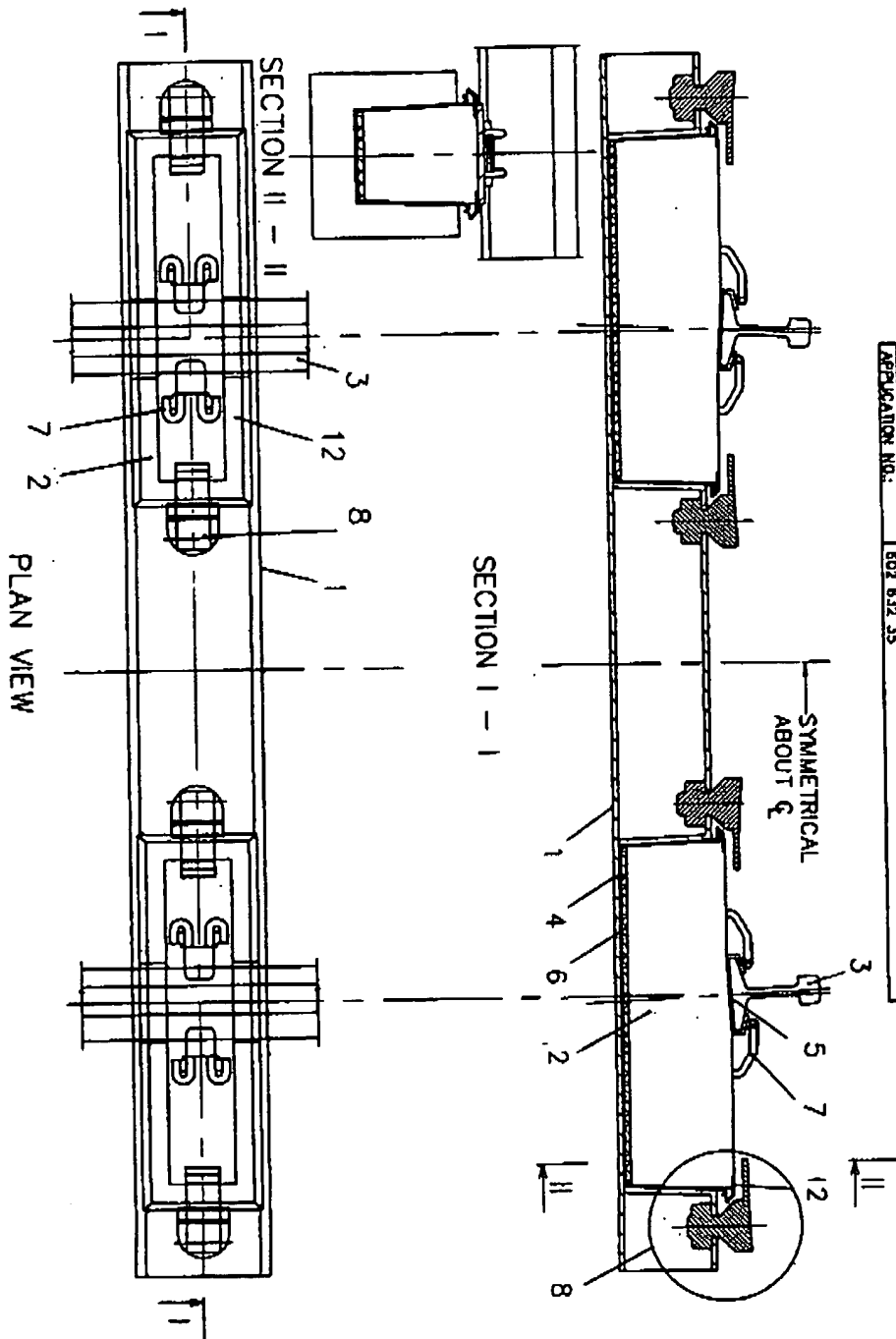
TITLE OF THE INVENTION	INTERNALLY RESILIENT TIE FOR RAILWAY TRACK
INVENTOR'S NAME	JAN H. BOGA, JR.
INVENTOR'S TEL. NO.	501 372 5211, 501 805 5321, 202 341 7775 EXT. 213
APPLICATION NO.	602 837 35



INTERNALLY RESILIENT TIE WITH INDEPENDENT BOOTED BLOCKS AND CONCRETE CASE  
NOT TO SCALE

Fig. 1

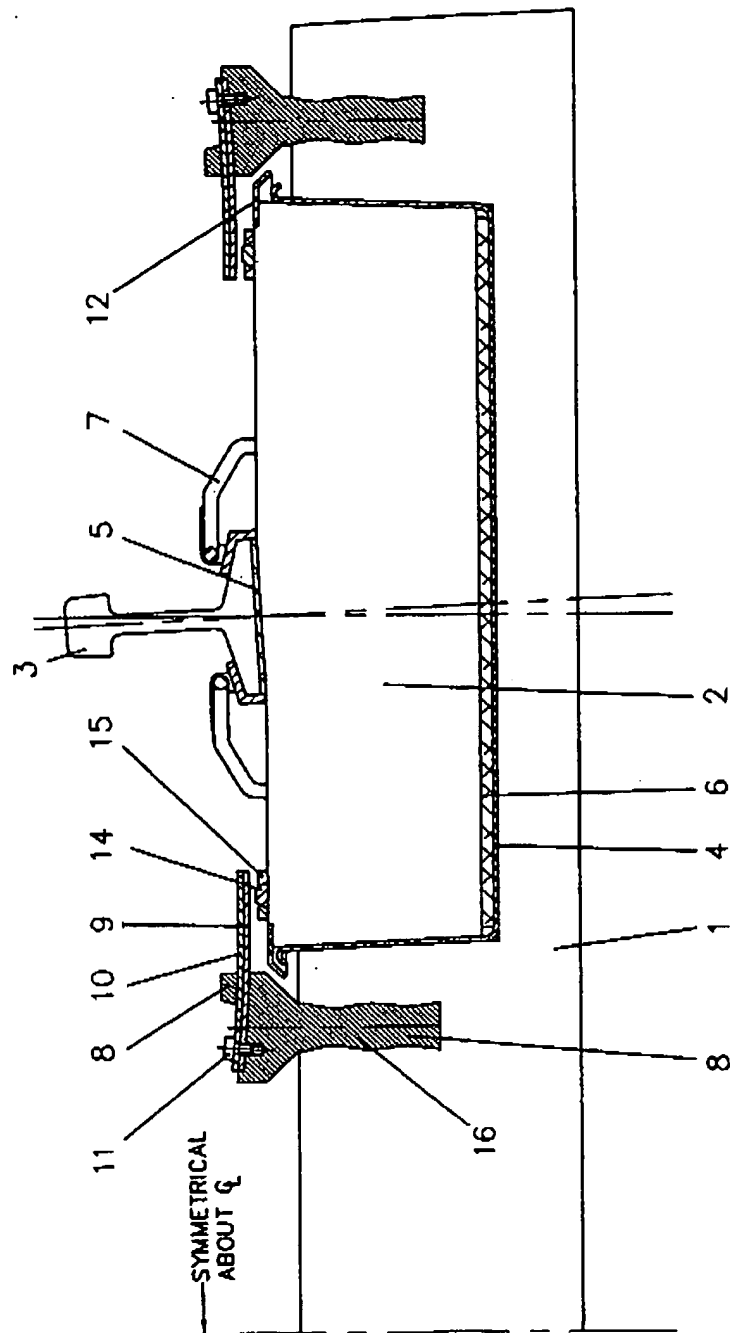
NAME OF THE INVENTION	INTERNALLY RESILIENT TIE FOR RAILWAY TRACK
INVENTOR'S NAME	JOHN W. ZOGA, JR.
INVENTOR'S D.L. NO.	501 322 871A, 501 603 432A, 2002 381 7775 EXT. 215
APPLICATION NO.	603 632 35



INTERNALLY RESILIENT TIE WITH INDEPENDENT BOOTED BLOCKS AND STEEL CASE  
NOT TO SCALE

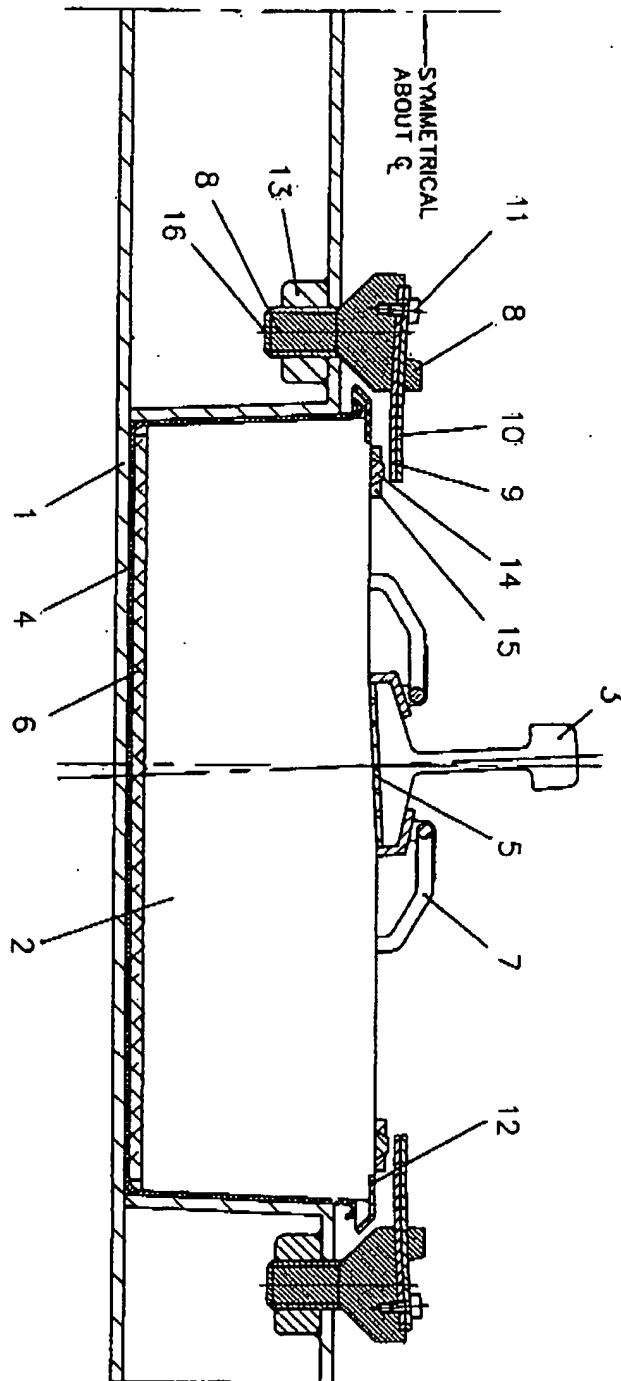
Fig. 2

TITLE OF THE INVENTION INTERNALLY RESILIENT TIE FOR RAILWAY TRACK	
INVENTOR'S NAME	JAN H. ZACHA, P.E.
INVENTOR'S TEL. NO.	301 372 5335, 301 805 6331, 202 331 7775 EXT. 213
APPLICATION NO.	802 832 35



DETAIL OF SECTION I - I SHOWING BLOCK RETAINER OF F i g. 1  
 INTERNALLY RESILIENT TIE WITH INDEPENDENT BOOTED BLOCKS AND CONCRETE CASE  
 NOT TO SCALE  
 F i g. 3

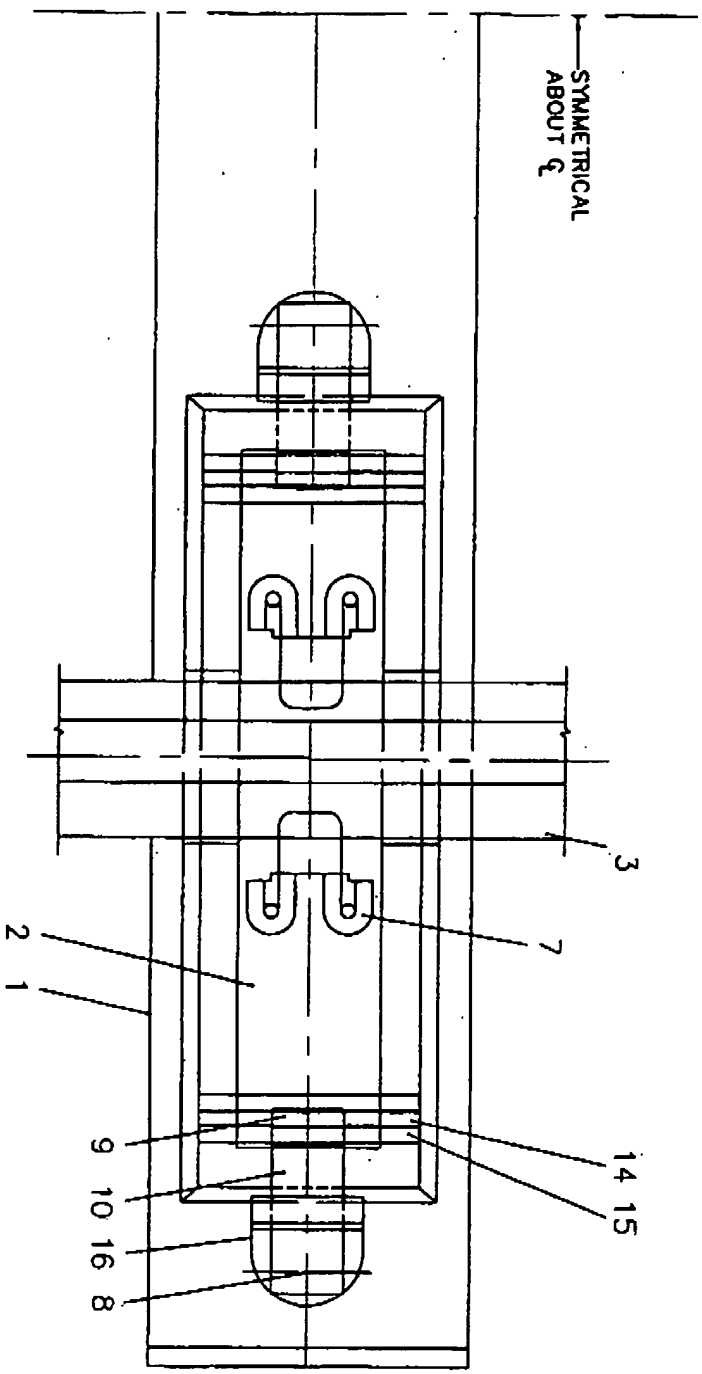
TITLE OF THE INVENTION	INTERNALLY RESILIENT TIE FOR RAILWAY TRACK
INVENTOR'S NAME	AM H. ZICH, P.E.
INVENTOR'S TEL. NO.	501 377 5211, 501 505 8371, 302 351 7779 EXT. 213
APPLICATION NO.	603 811 39



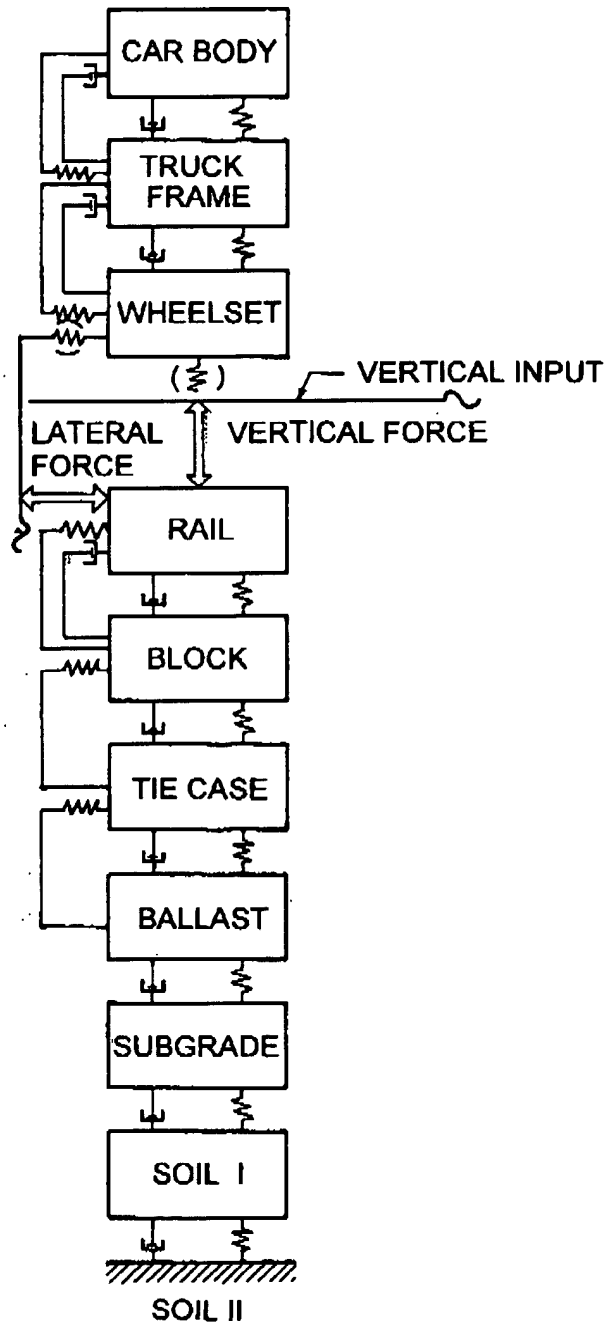
DETAIL OF SECTION I - I SHOWING BLOCK RETAINER OF F i g. 2  
 INTERNALLY RESILIENT TIE WITH INDEPENDENT BOOTED BLOCKS AND STEEL CASE  
 NOT TO SCALE

F i g. 4

TITLE OF THE INVENTION	INTERNALLY RESILIENT TIE FOR RAILWAY TRACK
INVENTOR'S NAME	ANN H. ZOGA, P.E.
INVENTOR'S TEL. NO.	501 372 5933, 501 663 8321, 202 331 7775 EXT. 315
APPLICATION NO.	607 632 19



PLAN VIEW RELEVANT TO BLOCK RETAINERS OF F i g. 1 AND F i g. 2  
 INTERNALLY RESILIENT TIE WITH INDEPENDENT  
 BOOTED BLOCKS AND CONCRETE OR STEEL CASE  
 NOT TO SCALE F i g. 5



DYNAMIC TRACK / TRAIN INTERACTION SYSTEM - MODEL FOR ONE AXLE

F i g. 6